

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A picture compression managing apparatus, comprising:

~~a reduced picture producing section for producing, in response to an index affix request, a reduced input picture by reducing a current input picture of a succession of input pictures included in a picture file which is subjected to picture compression, said reduced picture producing section carrying out at least one of output of said reduced input picture to a display unit and storage of said reduced input picture into said recording medium; and~~

a picture compression processor for compressing a moving picture, said moving picture comprising a plurality of frames, said picture compression processor comprising:
an interface section for receiving an index affix request, said index affix request being a request to affix an index to a frame of said plurality of frames, said frame being compressed by said picture compression processor into a compressed frame to be stored in a file in a recording medium;

an index producing section for producing, in response to said index affix request, a marking position which is a position of said current input picture in said file at which said compressed frame is stored with respect to a leading position of said picture file, said index producing section carrying out storage of said marking position as a particular index into said recording medium.; and

a frame memorizing section, said frame memorizing section being configured to store, if said frame is compressed by said picture compression processor into said compressed frame using one or more reference frames of said plurality of frames, said one or more reference frames in decompressed form into said recording medium.

2. (Currently Amended) A_The picture compression managing apparatus as claimed in claim 1, wherein the picture compression processor further comprising comprises:

a reduced picture producing section for producing, in response to an index affix request, a reduced input picture by reducing said frame a current input picture of a succession

of input pictures included in a picture file which is subjected to picture compression, said reduced picture producing section carrying out at least one of output of said reduced input picture to a display unit and storage of said reduced input picture into said recording medium; and

an index producing section for producing, in response to said index affix request, a marking position which is a position of said current input picture with respect to a leading position of said picture file, said index producing section carrying out storage of said marking position as a particular index into said recording medium; and

a reference frame producing section for producing at least one of remaining pictures of a succession of said input pictures, said at least one of remaining pictures being used as at least one reference frame in later compressing said current input picture into a compressed picture, said reference frame producing section carrying out storage of said at least one reference frame into said recording medium.

3. (Currently Amended) A The picture compression managing apparatus as claimed in claim 2, further comprising:

an index acquiring section for acquiring, in response to a jump request to jump to said particular index on subjecting said picture file to picture decompression, said marking position from said recording medium; and

a reference frame acquiring section for acquiring, in response to said jump request, said at least one or more reference frame frames in decompressed form from said recording medium if said frame was compressed using said one or more reference frames.

4. (Currently Amended) A picture decompression processor for decompressing a succession of input pictures included as a succession of compressed pictures in a picture file which is subjected to picture decompression, said picture decompression processor comprising:

a reduced picture producing section for producing, in response to an index affix request, a reduced input picture by reducing a current input picture of said succession of input pictures included in said picture file, said reduced picture producing section carrying out at least one of output of said reduced input picture to a display unit and storage of said reduced input picture into said a recording medium;

an index producing section for producing, in response to said index affix request, a marking position ~~which that~~ is a position of said current input picture with respect to a leading position of said picture file, said index producing section carrying out storage of said marking position as a particular index into said recording medium; and

a reference frame producing section for producing at least one of remaining pictures ~~picture of a~~ ~~said~~ succession of said input pictures, said at least one of remaining pictures ~~picture~~ being used as at least one reference frame in later decompressing said current input picture into a decompressed picture, said reference frame producing section carrying out storage of said at least one reference frame ~~in a decompressed form~~ into said recording medium.

5. (Currently Amended) A picture compression managing method, comprising:

~~a reduced picture producing step of producing, in response to an index affix request, a reduced input picture by reducing a current input picture of a succession of input pictures included in a picture file which is subjected to picture compression, said reduced picture producing step carrying out at least one of output of said reduced input picture to a display unit and storage of said reduced input picture into said recording medium; and~~

~~compressing a frame of a plurality of frames of a moving picture into a compressed frame using one or more reference frames of said plurality of frames;~~

~~receiving an index affix request to affix an index to said frame;~~

~~storing said compressed frame into a picture file in a recording medium;~~

~~an index producing step of producing, in response to said index affix request, a marking position ~~which that~~ is a position of said current input in said picture file at which said compressed frame is stored with respect to a leading position of said picture file; said index producing step carrying out~~

~~storage of storing said marking position as a particular index into said recording medium; and~~

~~storing said one or more reference frames in decompressed form into the recording medium.~~

6. (Currently Amended) A The picture compression managing method as claimed in claim 5,
further comprising:

~~a reduced picture producing step of producing, in response to an said index affix request, a reduced input picture by reducing said frame a current input picture of a succession of input pictures included in a picture file which is subjected to picture compression, said reduced picture producing step; and~~

~~carrying out at least one of output of said reduced input picture to a display unit and storage of said reduced input picture into said recording medium; and~~

~~an index producing step of producing, in response to said index affix request, a marking position which is a position of said current input picture with respect to a leading position of said picture file, said index producing step carrying out storage of said marking position as a particular index into said recording medium; and~~

~~a reference frame producing step of producing at least one of remaining pictures of a succession of said input pictures, said at least one of remaining pictures being used as at least one reference frame in later compressing said current input picture into a compressed picture, said reference frame producing step carrying out storage of said at least one reference frame into said recording medium.~~

7. (Currently Amended) A The picture compression managing method as claimed in claim 6
5, further comprising:

~~an index acquiring step of acquiring, in response to a jump request to jump to said particular index on subjecting said picture file to picture decompression, said marking position from said recording medium; and~~

~~a reference frame acquiring step of acquiring, in response to said jump request, said at least one or more reference frame frames from said recording medium.~~

8. (Currently Amended) A picture decompression processing method of decompressing a succession of input pictures included as a succession of compressed pictures in a picture file which is subjected to picture decompression, said picture decompression processing method comprising:

a reduced picture producing step for producing, in response to an index affix request, a reduced input picture by reducing a current input picture of said succession of input pictures included in said picture file, ~~said reduced picture producing step;~~

carrying out at least one of output of said reduced input picture to a display unit and storage of said reduced input picture into said a recording medium;

~~an index producing step of~~ producing, in response to said index affix request, a marking position which is a position of said current input picture with respect to a leading position of said picture file, ~~said index producing step;~~

carrying out storage of said marking position as a particular index into said recording medium; ~~and~~

~~a reference frame producing step of~~ producing at least one of remaining pictures picture of a ~~said~~ succession of said input pictures, said at least one of remaining pictures picture being used as at least one reference frame in later decompressing said current input picture into a decompressed picture, ~~said reference frame producing step; and~~

carrying out storage of said at least one reference frame in a decompressed form into said recording medium.